

After entry of the amendments made herein, the claims under consideration in this application will read as follows.

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1. (Amended) An isolated DNA comprising:

- (a) a nucleic acid sequence that encodes a polypeptide with the ability to co-stimulate a T cell, wherein the polypeptide is (i) an amino acid sequence consisting of SEQ ID NO:1 or SEQ ID NO:3 or (ii) the amino acid sequence but with one or more conservative substitutions; or
(b) the complement of the nucleic acid sequence.

4. (Amended) The DNA of claim 1, wherein the nucleic acid sequence is a nucleotide sequence consisting of SEQ ID NO:2.

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5. (Amended) The DNA of claim 1, wherein the nucleic acid sequence is a nucleotide sequence consisting of SEQ ID NO:4.

11. A vector comprising the DNA of claim 1.

12. The vector of claim 11, wherein the nucleic acid sequence is operably linked to a regulatory element which allows expression of said nucleic acid sequence in a cell.

13. A cell comprising the vector of claim 11.

36. A cell comprising the vector of claim 12.

37. A method of producing a polypeptide that co-stimulates a T cell, the method comprising culturing the cell of claim 36 and purifying the polypeptide from the culture.

45. (Newly Added) An isolated DNA comprising:

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(a) a nucleic acid sequence that encodes a polypeptide with the ability to co-stimulate a T cells, wherein the nucleic acid sequence is at least 50 nucleotides long and wherein the polypeptide consists of (i) a functional fragment of an amino acid sequence consisting of SEQ

ID NO:1 or SEQ ID NO:3 or (ii) the functional fragment but with one or more conservative substitutions; or

(b) the complement of the nucleic acid sequence.

46. (Newly Added) The DNA of claim 45, wherein the functional fragment consists of (i) SEQ ID NO: 1 but lacking amino acid residues 1-22 of SEQ ID NO:1 or (ii) SEQ ID NO:3 but lacking amino acid residues 1-22 of SEQ ID NO:3.

47. (Newly Added) A vector comprising the DNA of claim 45.

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48. (Newly Added) The vector of claim 47, wherein the nucleic acid sequence is operably linked to a regulatory element which allows expression of said nucleic acid sequence in a cell.

49. (Newly Added) A cell comprising the vector of claim 47.

50. (Newly Added) A cell comprising the vector of claim 48.

51. (Newly Added) A method of producing a polypeptide that co-stimulates a T cell, the method comprising culturing the cell of claim 50 and purifying the polypeptide from the culture.

REMARKS

Amendment to specification

The specification has been amended to include the necessary government support statements reflecting the support in the development of this invention provided by the National Institutes of Health. No new matter has been added.

Status of the claims

Claims 1-44 are pending in this application. Claims 1-5, 11-13, and 36-37 are presently under consideration, claims 6-10, 14-35, and 38-44 having been withdrawn for allegedly been drawn to different inventions. All claims presently under consideration stand rejected. After